

Privilege Escalation (PE)

1. Configuring of Burp Suites in the Firefox Browser: -

- Open Burp suits Application in Kali and make sure that it is running in localhost at Port number 8080.
- Go to Firefox setting, open Network setting and set Proxy server as 127.0.0.1 is IP address and port number is 8080.
- Enable the check of use this proxy to all HTTPS requests.

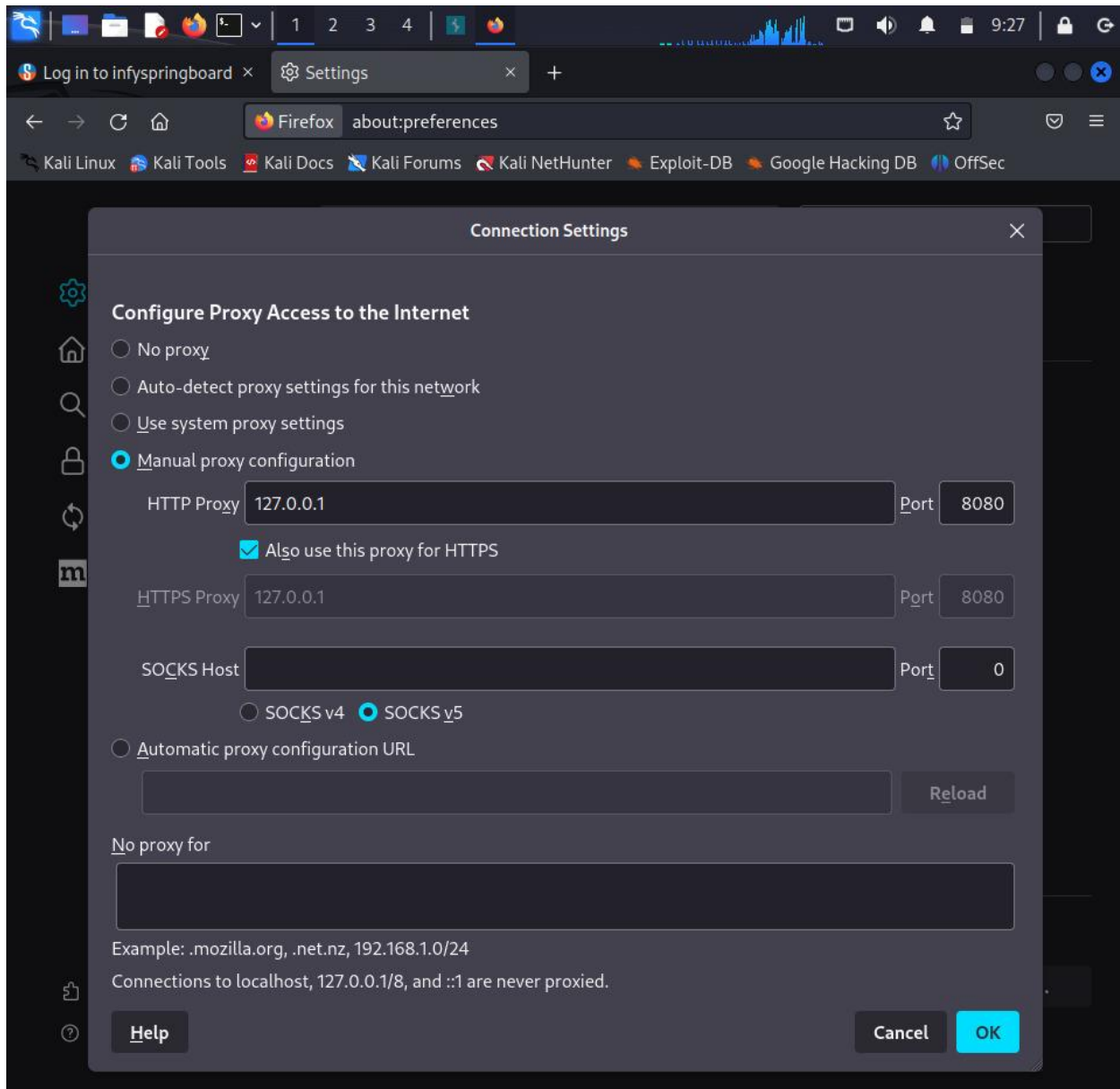


Fig. Configuring the Burp suits Proxy in Firefox browser

2. Configuration of OWASP tool:

- Turn on OWASP machine and search the IP address of OWASP into Kali's browser.
- Select OWASP webgoat >Access Flow Control>Role Based Access Control.
- Log-in with any User and password will be the lower case of user's first name.

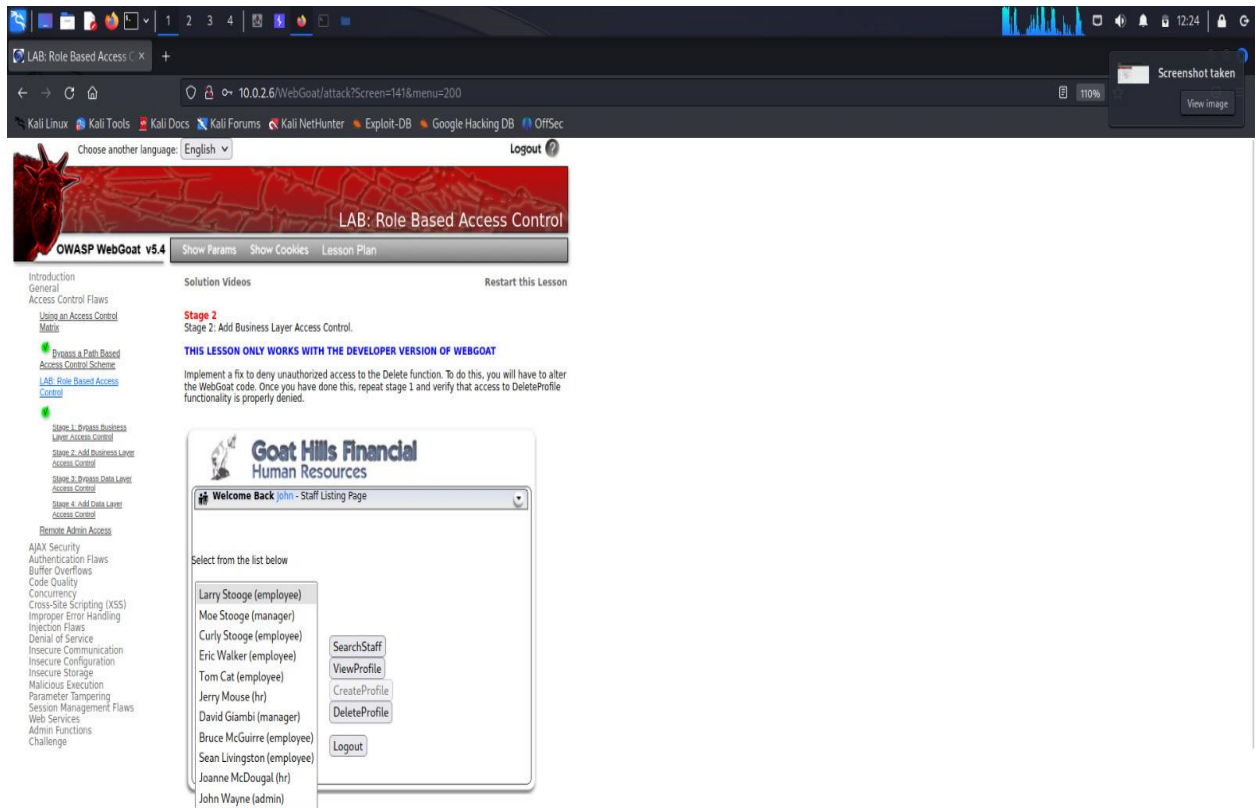


Fig. Viewing of all employees data from the Database.

3) Intercepting the User request in Burp suit: -

- Turn on Burp suit, then go to Proxy panel and click on the **Interceptor ON** button to turn on the Interceptor.
- Whenever Interceptor will get ON then each click or request of the user will be stopped by the Interceptor and when attacker gives forward permission then only the request will be served.
- When request will be captured by the interceptor then push it to Repeater panel by right clicking on the mouse, choose the **SEND TO REPEATER**.

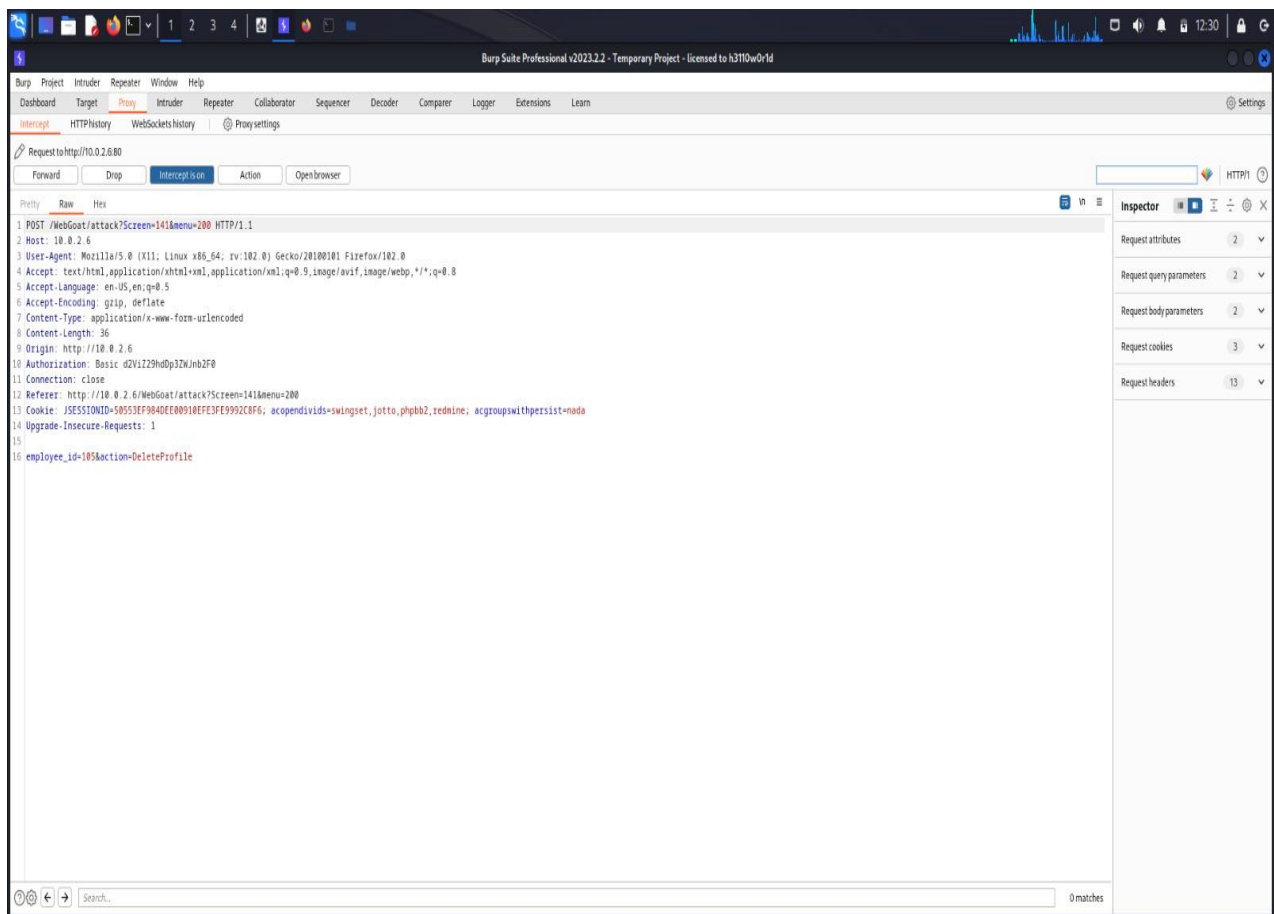


Fig. Request was Intercepted in the Burp suit

4) Changing of Intercepted request to edit the data of Database: -

- Push the Intercepted data to **Repeater** panel.
- In the request, the data of each person will be referenced with the **ID** number in the Database.
- Add the **ID** number of person whose data we want to edit inside Database.

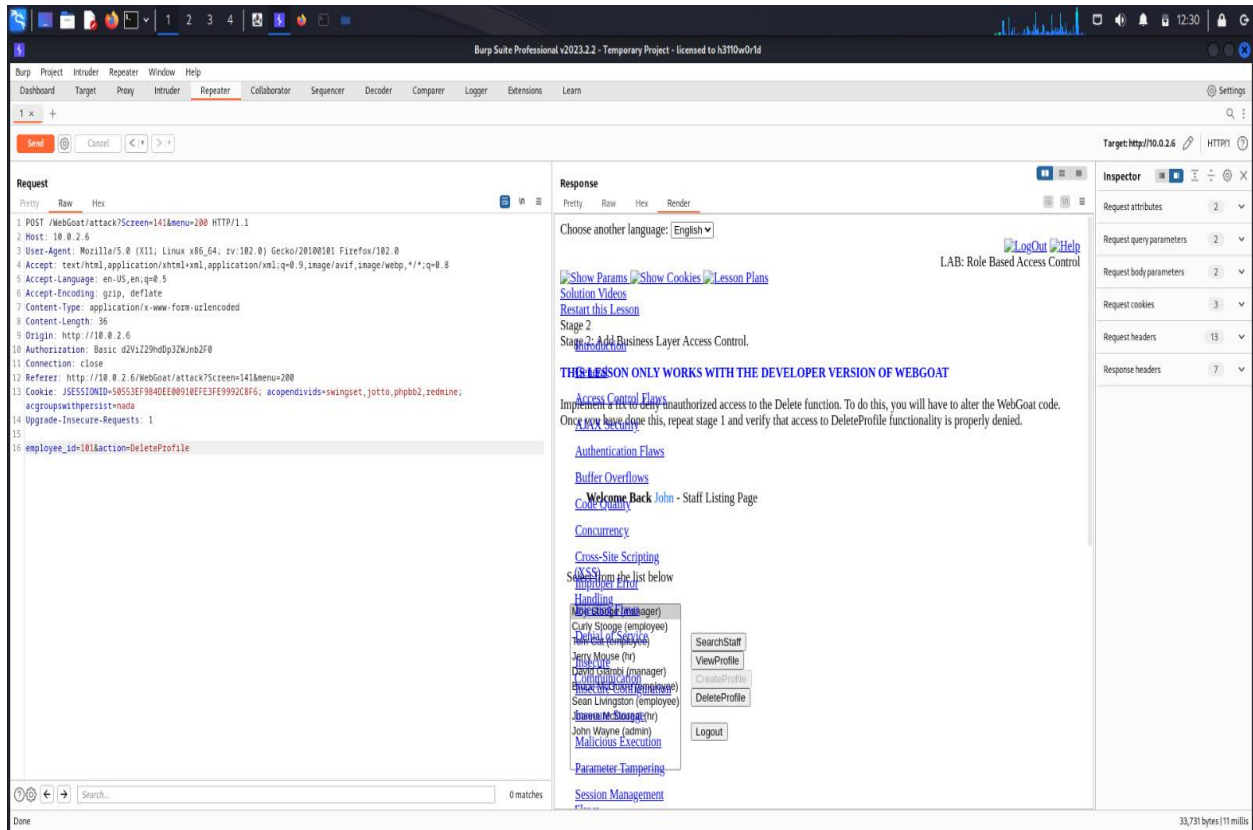


Fig. ID number 101 person data will be deleted successfully

5) Verifying the Database: -

- To verify that, the data is successfully deleted or not again we need to log-in as admin then check inside the list of all employees.
- If that data is not existing in the current list, then deleting process is successfully completed.

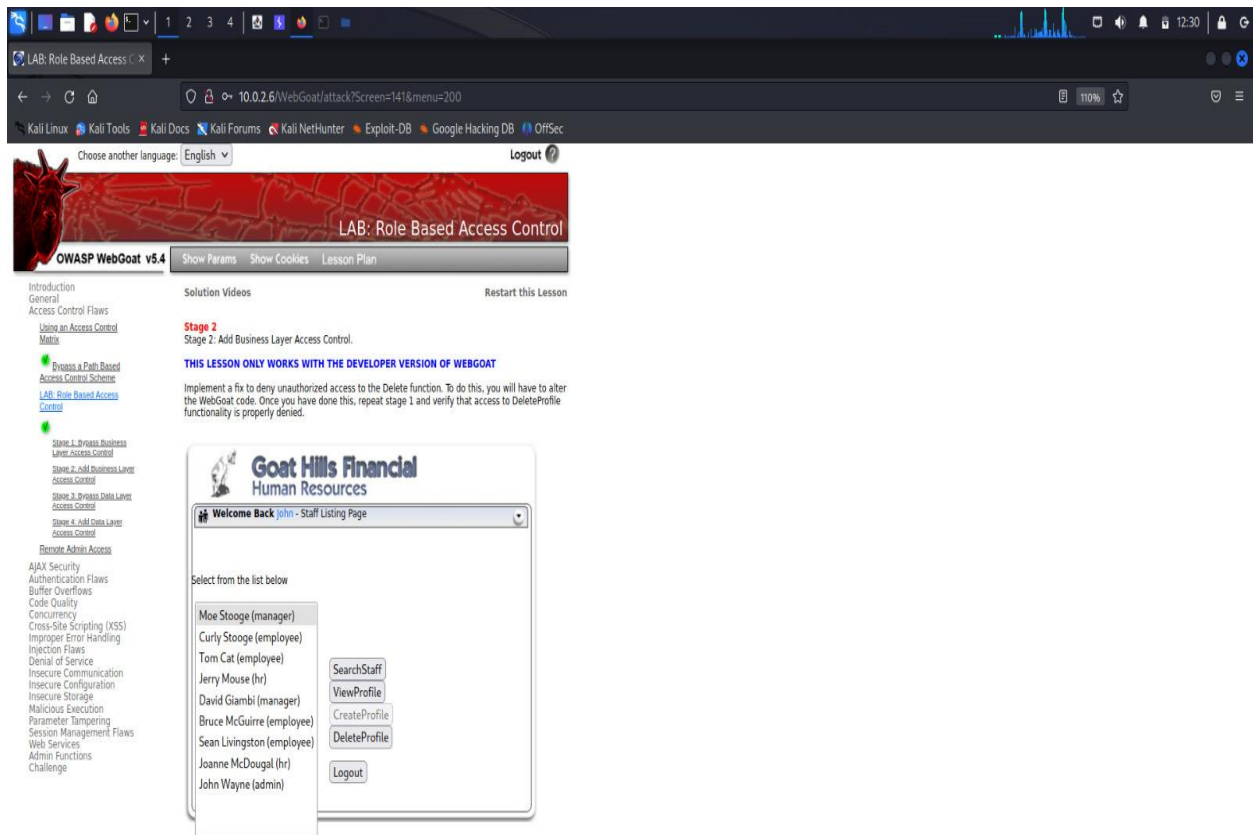


Fig. Larry Stooze's data is successfully deleted from the Database.